

LISTING OF CLAIMS:

1. (Amended) ~~An~~A biological information detection input/output system, comprising:

a sheet-like input/output sensor unit that includes a sheet-like base material, a plurality of sensor elements disposed thereon and wiring for the plurality of sensor elements; and

a connection box that is attached to an edge of the sheet-like input/output sensor unit and connected to the plurality of sensor elements via the wiring,

wherein the connection box includes a housing that is attached so as to sandwich the edge of the sheet-like input/output sensor unit and internally encloses a circuit board that is connected to the wiring, and

the housing includes:

a slit through which the edge of the sheet-like input/output sensor unit passes and whose upper and lower edges are curved shapes; and

means for fixing the edge of the sheet-like input/output sensor unit that is disposed behind the edges of ~~inside to~~ the slit and inside of the housing.
2. (Amended) ~~An input/output~~A biological information detection system according to Claim 1,

wherein an edge, out of the upper and lower edges of the slit, that is above the sheet-like input/output sensor unit is composed of a sealing part that is elastic.

3. (Amended) A biological information detection ~~An input/output~~ system according to Claim 1,

wherein at least one hold is formed in an area of the edge of the sheet-like input/output sensor unit that is sandwiched by the housing, and wherein the means for fixing the edge of the sheet-like sensor unit includes at least one projection disposed behind the edges of the slit for fixing the edge of the sheet-like input/output sensor unit by being inserted into the at least one hole of the sheet-like input/output sensor unit that is sandwiched by the edges of the slit.

4. (Amended) A biological information detection ~~An input/output~~ system according to Claim 1,

wherein, in addition to the means for fixing the edge of the sheet-like sensor unit, the circuit board in the housing includes means for fixing a covering material of the wiring.

5. (Amended) A biological information detection ~~An input/output~~ system according to Claim 1,

wherein a plurality of circuit boards are enclosed on top of one another inside the housing and the circuit board to which the wiring is connected is disposed at the bottom of the plurality of circuit boards.

6. (Amended) A biological information detection ~~An input/output~~ system according to Claim 1,

wherein the sheet-like ~~input/output sensor~~ unit includes a data input region in which ~~a~~ the plurality of piezoelectric ~~sensors~~ sensor elements are disposed and a wiring region that is disposed along a side of the data input region.

7. (Amended) A biological information detection ~~An input/output~~ system according to Claim 1,

wherein the sensor elements are piezoelectric sensor elements, and the sheet-like ~~input/output sensor~~ unit includes a data ~~input/output~~ input region where the plurality of sensor elements are disposed ~~that is equipped with a function for inputting and/or outputting data and~~ a wiring region that is disposed along a side of the data ~~input/output~~ input region,

the wiring region includes first wiring that extends from the data ~~input/output~~ input region to a first edge of the sheet-like ~~input/output sensor~~ unit, and second wiring that is not connected to the data ~~input/output~~ input region and extends from the first edge of the sheet-like ~~input/output sensor~~ unit to a second edge opposite to the first edge,

the connection box is disposed on the first edge, and

the first wiring and the second wiring are connected to the circuit board.

8. (Amended) A biological information detection ~~An input/output~~ system according to Claim 7,

wherein the second wiring is disposed on an opposite side of the first wiring to the data ~~input/output~~ input region, and

on the first edge, the first wiring and the second wiring are disposed in parallel, and on the second edge, the second wiring is disposed at a position corresponding to a position of the first wiring on the first edge.

9. (Amended) A biological information detection ~~An input/output~~ system according to Claim 8,

wherein the first wiring on the first edge of another sheet-like ~~input/output~~ sensor unit is connected to the second wiring on the second edge of the sheet-like ~~input/output~~ sensor unit.

10. (Amended) A biological information detection ~~An input/output~~ system according to Claim 8,

wherein third wiring that is not connected to the data ~~input/output~~ input region, that extends from the first edge to the second edge of the sheet-like ~~input/output~~ sensor unit, and that is connected to the circuit board is also disposed in the wiring region,

the third wiring is disposed on an opposite side of the second wiring to the data ~~input/output~~ input region, the first wiring, the second wiring and the third wiring are disposed in parallel on the first edge, and on the second edge, the third wiring is disposed at a position corresponding to a position of the second wiring on the first edge.

11. (Amended) A connection box that has a housing, the housing being attached to an edge of a sheet-like ~~input/output~~ sensor unit that includes wiring so as to sandwich the sheet-

like input/output sensor unit and for internally housing a circuit board to which the wiring is connected,

wherein the housing includes:

a slit through which the edge of the sheet-like input/output sensor unit passes and whose upper and lower edges are curved shapes; and

means for fixing the edge of the sheet-like input/output sensor unit that is disposed behind the edges of ~~inside to the slit~~ and inside of the housing.

12. (Canceled)

13. (Amended) A connection box according to Claim 11,

wherein the means for fixing the edge of the sheet-like sensor unit includes at least one projection disposed behind the edges of the slit for fixing the edge of the sheet-like input/output sensor unit by being inserted into at least one hole of the sheet-like input/output sensor unit that is sandwiched by the edges of the slit.

14. (Original) A connection box according to Claim 11,

wherein one edge, out of the upper and lower edges of the slit, is composed of a sealing part that is elastic.

15. (Amended) A sheet-like ~~input/output~~ sensor unit includes a data ~~input/output~~ input region that is equipped with a function for ~~inputting and/or outputting data where a~~ plurality of sensor elements are disposed and a wiring region that is disposed along at least one side of the data ~~input/output~~ input region,

the wiring region includes first wiring that extends from the data ~~input/output~~ input region to a first edge of the sheet-like ~~input/output~~ sensor unit, and second wiring that is not connected to the data ~~input/output~~ input region and extends from the first edge of the sheet-like ~~input/output~~ sensor unit to a second edge opposite to the first edge.

16. (Amended) ~~An input/output~~ A sheet-like sensor unit according to Claim 15,
wherein the second wiring is disposed on an opposite side of the first wiring to the data ~~input/output~~ input region, and

on the first edge, the first wiring and the second wiring are disposed in parallel,
and on the second edge, the second wiring is disposed at a position corresponding to a position of the first wiring on the first edge.

17. (Amended) ~~An input/output~~ A sheet-like sensor unit according to Claim 16,
wherein the second wiring on the second edge of the sheet-like ~~input/output~~ sensor unit is connected to first wiring on the first edge of another sheet-like ~~input/output~~ sensor unit.

18. (Amended) ~~An input/output~~ A sheet-like sensor unit according to Claim 16,

wherein third wiring that is not connected to the data ~~input/output~~ input region, and that extends from the first edge to the second edge of the sheet-like ~~input/output~~ sensor unit is also disposed in the wiring region,

the third wiring is disposed on an opposite side of the second wiring to the data ~~input/output~~ input region, the first wiring, the second wiring and the third wiring are disposed in parallel on the first edge, and on the second edge the third wiring is disposed at a position corresponding to a position of the second wiring on the first edge.

19. (Amended) ~~An input/output~~ A sheet-like sensor unit according to Claim 15,

wherein at corresponding positions on opposite edges, curved cuts are formed.

20. (Amended) ~~An input/output~~ A sheet-like sensor unit according to Claim 15,

wherein a plurality of piezoelectric sensors are disposed in the data ~~input/output~~ input region.